

# MSFC DATA REQUIREMENTS MANAGEMENT SYSTEM

The policy for center-wide data management is provided in MPR 7120.3, Data Management, Programs/Projects. Work instructions (applicable to programs/projects and other Center institutional activities) are documented in MWI 7120.2, Data Requirements Identification/ Definition. These documents are available on the MSFC Integrated Document Library.

The standard DRD/OPR contact <u>MATRIX</u> identifies standard data requirements descriptions (DRDs) by title, DRD number and data category, and provides primary and alternate contacts in the Office of Primary Responsibility (OPR) for each description. Approved standard DRDs are available on this site by clicking below.

In addition to the current standard DRD's, a current standard Data Procurement Document introduction and Statement of General Requirements (SGR) is available <a href="https://example.com/html/>HERE">HERE</a>.

A sample DPD for a small procurement is provided <u>HERE</u> for guidance only. The Center Requirements Manager (CDRM) should be contacted for support in preparing the official DPD.

For assistance in developing Data Procurement Documents (DPDs) and Data Requirements Lists (DRLs); assignment of DPD or DRL numbers; samples of other data requirements descriptions; or any other data requirements management support please contact the CDRM, Eugena Goggans, 544-3386 or DRM support Mike Staton, 544-0929.

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## **DRD MASTERLIST**

### There are **145** matching records.

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
Contractual Data (CD)	STD/CD- ITSP	Information Technology Security Plan(s)	01/12/2005	01/12/2005
Contractual Data (CD)	STD/CD- LTR	Technology Reports (NFS 1852.227-70)	05/05/2005	05/05/2005
Contractual Data (CD)	STD/CD- STR	Technology Reports (FAR 52.227-11)	05/05/2005	05/05/2005
Configuration Management (CM)	STD/CM- AD	Functional Configuration/Physical Configuration Audit Documentation	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- ADP	Acceptance Data Package	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- CASR	Configuration Accounting and Status Reports	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- CMA	Configuration Management Audits Documentation	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- CMP	Configuration Management Plan	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- DAR	Deviations/Waiver Approval Requests	10/15/2004	10/15/2004

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
Configuration Management (CM)	STD/CM- ECP	Engineering Change Proposals and Associated Documentation	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- EDAL	Engineering Drawings and Associated Lists	01/11/2006	01/11/2006
Configuration Management (CM)	STD/CM- MINC	Modification Kit Instructions and Installation Notification	10/15/2004	10/15/2004
Configuration Management (CM)	STD/CM- SDT	Specification and Drawing Tree	02/23/2006	01/31/2006
Design and Development Engineering (DE)	STD/DE- ABPL	As-Built EEE Parts List	10/25/2004	10/25/2004
Design and Development Engineering (DE)	STD/DE- ADPL	As-Designed EEE Parts List	10/25/2004	10/25/2004
Design and Development Engineering (DE)	STD/DE- CDFD	Command and Data Management System Functional Description	01/12/2005	01/12/2005
Design and Development Engineering (DE)	STD/DE- EPAA	EEE Parts Application Analysis	10/25/2004	10/25/2004
Design and Development Engineering	STD/DE- ETDA	Engine Thermal Data and Analysis	10/28/2004	10/28/2004

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(DE)				
Design and Development Engineering (DE)	STD/DE- FCP	Fracture Control Plan	10/27/2004	10/27/2004
Design and Development Engineering (DE)	STD/DE- FCR	Fracture Control Reports	10/27/2004	10/27/2004
Design and Development Engineering (DE)	STD/DE- NPAR	EEE Nonstandard Parts Approval Request	10/25/2004	10/25/2004
Design and Development Engineering (DE)	STD/DE- PCP	Electrical, Electronic, and Electromechanical (EEE) Parts Control Plan	10/25/2004	10/25/2004
Design and Development Engineering (DE)	STD/DE- PDDD	Programmable Devices Design Documentation	06/16/2006	06/16/2006
Design and Development Engineering (DE)	STD/DE- PDDP	Programmable Devices Development Plan	06/16/2006	06/16/2006
Design and Development Engineering (DE)	STD/DE- SAP	Structural Assessment Plan	04/14/2006	04/14/2006
Design and Development	STD/DE- SDAM	Structural Dynamics Analyses, Loads, and	11/21/2005	11/21/2005

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Engineering (DE)		Models Documentation		
Design and Development Engineering (DE)	STD/DE- SPLN	Structural Strength Test Plan	01/12/2005	01/12/2005
Design and Development Engineering (DE)	STD/DE- SSFA	Structural Strength and Fatigue Analysis Reports	01/12/2005	01/12/2005
Design and Development Engineering (DE)	STD/DE- SSTP	Structural Strength Test Procedures	10/29/2004	10/29/2004
Design and Development Engineering (DE)	STD/DE- SSTR	Structural Strength Test Reports	02/03/2006	02/03/2006
Design and Development Engineering (DE)	STD/DE- TCSD	Thermal Control System  Data Book	05/09/2005	05/09/2005
Logistics Support (LS)	STD/LS- GPMP	Government Property  Management Plan	03/21/2006	03/21/2006
Logistics Support (LS)	STD/LS- ILSP	Integrated Logistics Support Plan	10/28/2004	10/28/2004
Logistics Support (LS)	STD/LS- LMI	Logistics Management Information	10/28/2004	10/28/2004
Logistics Support (LS)	STD/LS- SHSR	Special Handling and Storage Requirements Document	02/11/2004	10/29/2004

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Management (MA)	STD/MA- BERUL	Badged Employee and Remote IT User Listing	06/23/2006	06/23/2006
Management (MA)	STD/MA- CECD	Contractor Employee Clearance Document	06/23/2006	06/23/2006
Management (MA)	STD/MA- CPR	Cost Performance Report	01/25/2006	03/29/2006
Management (MA)	STD/MA- CRM	Continuous Risk Management	09/27/2004	09/27/2004
Management (MA)	STD/MA- DAL	Data Accession List	10/15/2004	10/15/2004
Management (MA)	STD/MA- DMP	Data Management Plan	09/22/2004	09/22/2004
Management (MA)	STD/MA- FMMR	Financial Management Report (533M)	01/25/2006	03/29/2006
Management (MA)	STD/MA- FMR	Financial Management Report (533M and 533Q)	01/25/2006	03/29/2006
Management (MA)	STD/MA- IMP	Information Management Plan	01/12/2005	01/12/2005
Management (MA)	STD/MA- MCPR	Modified Cost Performance Report	01/25/2006	03/29/2006
Management (MA)	STD/MA- MRD	Major Review  Documentation	01/12/2005	01/12/2005
Management (MA)	STD/MA- MSD-C	Earned Value Management System Description (Criteria)	01/25/2006	03/29/2006
Management (MA)	STD/MA- MSD-MC	Earned Value Management System Description (Modified-Criteria)	01/25/2006	03/29/2006
Management	STD/MA-	Monthly Status and Final	04/17/2002	09/17/2004

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(MA)	<b>MSFR</b>	Reports		
Management (MA)	STD/MA- NPDR	Position Risk Designation for Non-NASA Employee Form	06/23/2006	06/23/2006
Management (MA)	STD/MA- PMP	Project Management Plan	02/23/2006	01/31/2006
Management (MA)	STD/MA- PP	Propellants/Pressurants Report	01/12/2005	01/12/2005
Management (MA)	STD/MA- PPDMP	Program/Project Data Management Plan (MSFC prepared)	09/22/2004	09/22/2004
Management (MA)	STD/MA- PS	Program/Project Schedules	02/03/2006	02/03/2006
Management (MA)	STD/MA- PVM	Still Photographs, Video, and Motion Pictures	10/29/2004	10/29/2004
Management (MA)	STD/MA- SSP	System Security Plan	03/14/2006	11/30/2005
Management (MA)	STD/MA- TPR	Technical Performance Report	02/23/2006	01/31/2006
Management (MA)	STD/MA- WBS	Work Breakdown Structure (WBS) & WBS Dictionary	02/03/2006	02/03/2006
Materials and Processes (MP)	STD/MP- CCIP	Contamination Control & Implementation Plan	10/27/2004	10/27/2004
Materials and Processes (MP)	STD/MP- MIUL	Material Identification and Usage List	10/27/2004	10/27/2004
Materials and Processes (MP)	STD/MP- MP	Manufacturing and Assembly Plan	10/26/2004	10/26/2004
Materials and Processes (MP)	STD/MP- MPCP	Materials & Processes Selection,	10/26/2004	10/26/2004

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		Implementation, and Control Plan		
Materials and Processes (MP)	STD/MP- MUA	Material Usage Agreement	10/27/2004	10/27/2004
Materials and Processes (MP)	STD/MP- NTP	Nondestructive Test Plan	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- DRM	Design Reference Mission	03/09/2006	02/15/2006
Mission Operations (OP)	STD/OP- FOP	Flight Operations Plan	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- MOIP	Mission Operations Training Requirements and Implementation Plan	01/12/2005	01/12/2005
Mission Operations (OP)	STD/OP- MOP	Mission Operations Plan	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- MOPR	Mission Operations Procedures	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- MOR	Mission Operations Requirements	04/27/2005	04/27/2005
Mission Operations (OP)	STD/OP- ODH	Operations Data Handbook	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- OMM	Operations and Maintenance Manuals	02/23/2006	01/31/2006
Mission Operations (OP)	STD/OP- PFRD	Post Flight Reports and Data	10/29/2004	10/29/2004
Mission Operations (OP)	STD/OP- PIP	Payload Integration Plan	10/26/2004	10/26/2004
Mission Operations (OP)	STD/OP- PSRD	Payload Simulator Requirements Document	01/12/2005	01/12/2005

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Orbital Servicing (OS)	STD/OS- PSHP	Payload Software and Hardware Simulation Plan	01/12/2005	01/12/2005
Quality Engineering (QE)	STD/QE- COQ	Certificate of Qualification (COQ)	09/20/2004	09/20/2004
Quality Engineering (QE)	STD/QE- ELB	Equipment Log Book	09/17/2004	09/17/2004
Quality Engineering (QE)	STD/QE- QP	Quality Plan	06/16/2006	06/16/2006
Quality Engineering (QE)	STD/QE- SAP	Software Assurance Plan	02/07/2006	02/07/2006
Quality Engineering (QE)	STD/QE- SQAR	Software Quality Assurance (SQA) Audit Report	02/07/2006	02/07/2006
Reliability and Maintainability (RM)	STD/RM- ALERT	MSFC ALERT System Documentation	10/13/2004	10/13/2004
Reliability and Maintainability (RM)	STD/RM- FMEA	Failure Modes and Effects Analysis and Critical Items List	10/13/2004	10/13/2004
Reliability and Maintainability (RM)	STD/RM- LLIL	Limited Life Items List	10/28/2004	10/28/2004
Reliability and Maintainability (RM)	STD/RM- MPAR	Maintainability Allocation/Prediction and Analysis Report	10/29/2004	10/29/2004
Reliability and	STD/RM-	Product Assurance Plan	04/24/2006	04/24/2006

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
Maintainability (RM)	<u>PAP</u>			
Reliability and Maintainability (RM)	STD/RM- PRACA	Problem Reporting And Corrective Action	10/13/2004	10/13/2004
Reliability and Maintainability (RM)	STD/RM- PRAP	Probabilistic Risk Assessment Plan	10/28/2004	10/28/2004
Reliability and Maintainability (RM)	STD/RM- RMP	Reliability and Maintainability Program Plan	02/07/2006	02/07/2006
Reliability and Maintainability (RM)	STD/RM- RPAR	Reliability Allocation, Predictions and Analysis Rreport	10/29/2004	10/29/2004
Safety (SA)	STD/SA- FTA	Fault Tree Analysis	10/19/2004	10/19/2004
Safety (SA)	STD/SA- HA	System Safety/Hazard Analysis	10/19/2004	10/19/2004
Safety (SA)	STD/SA- MSR	Mishap and Safety Statistics Report	02/03/2006	02/03/2006
Safety (SA)	STD/SA- SHEWA	Safety, Health, and Environmental (SHE) Work Agreement	04/05/2006	04/05/2006
Safety (SA)	STD/SA- SHP	Safety, Health, and Environmental Plan	04/05/2006	04/05/2006
Safety (SA)	STD/SA- SSP	System Safety Plan (SSP)	10/19/2004	10/19/2004
Systems Engineering (SE)	STD/SE- ASFD	Avionics Systems Functional Decomposition	01/12/2005	01/12/2005

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Systems Engineering (SE)	STD/SE- CDFS	System Connectivity Diagrams & End-to-End Functional Schematics	10/28/2004	10/28/2004
Systems Engineering (SE)	STD/SE- CSAS	Radio Frequency Communications System Analysis and Studies	01/20/2006	01/20/2006
Systems Engineering (SE)	STD/SE- DHSA	Data Handling & Software Systems Analysis	04/27/2005	04/27/2005
Systems Engineering (SE)	STD/SE- DRMAD	Design Reference Mission Analysis Document	01/12/2005	01/12/2005
Systems Engineering (SE)	STD/SE- EME	Electromagnetic Effects Design Analysis Report	01/12/2005	01/12/2005
Systems Engineering (SE)	STD/SE- EMP	Electromagnetic Effects Systems Control Plan	01/12/2005	01/12/2005
Systems Engineering (SE)	STD/SE- EPEM	Electrical Power and Energy Management Report	01/12/2005	01/12/2005
Systems Engineering (SE)	STD/SE- ESA	Electrical System Analyses	01/12/2005	01/12/2005
Systems Engineering (SE)	STD/SE- ESTR	Engineering Support Team Training Requirements	10/28/2004	10/28/2004
Systems Engineering (SE)	STD/SE- GNSD	Guidance, Navigation, and Control System Design Document	02/18/2005	02/18/2005
Systems	STD/SE-	Interface Control	02/23/2006	01/31/2006

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Engineering (SE)	<u>ICD</u>	<u>Documents</u>		
Systems Engineering (SE)	STD/SE- IPCL	Instrumentation Program and Command List Specification	04/27/2005	04/27/2005
Systems Engineering (SE)	STD/SE- IRAR	Ionizing Radiation Analysis Report	04/27/2005	04/27/2005
Systems Engineering (SE)	STD/SE- IRD	Interface Requirements Documents	02/23/2006	01/31/2006
Systems Engineering (SE)	STD/SE- ISPA	Integrated Spacecraft Performance Analysis	02/28/2006	02/28/2006
Systems Engineering (SE)	STD/SE- MPCP	Mass Properties Control Plan	02/03/2006	02/03/2006
Systems Engineering (SE)	STD/SE- MPR	Mass Properties Report	02/03/2006	02/03/2006
Systems Engineering (SE)	STD/SE- PED	Mars and Other Planetary Environments Definition and Requirements	10/19/2004	10/19/2004
Systems Engineering (SE)	STD/SE- RFM	Requirement Flowdown  Matrix	02/23/2006	01/31/2006
Systems Engineering (SE)	STD/SE- RSTR	Range Safety Trajectory Analysis Report	02/18/2005	02/18/2005
Systems Engineering	STD/SE- SEB	System Error Budget	10/28/2004	10/28/2004

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
(SE)				
Systems Engineering (SE)	STD/SE- SED	Space Environment Definition	04/27/2005	04/27/2005
Systems Engineering (SE)	STD/SE- SEMP	System Engineering Management Plan	02/23/2006	01/31/2006
Systems Engineering (SE)	STD/SE- SIPA	Systems Integrated Performance Analysis	02/28/2006	02/28/2006
Systems Engineering (SE)	STD/SE- SPEC	Specifications	02/23/2006	01/31/2006
Systems Engineering (SE)	STD/SE- SSDD	System/Segment Design Definition Document	02/23/2006	01/31/2006
Systems Engineering (SE)	STD/SE- TED	Terrestrial Environment Definition and Requirements	10/19/2004	10/19/2004
Software (SW)	STD/SW- IDD	Interface Design Description	10/04/2004	10/04/2004
Software (SW)	STD/SW- SCMP	Software Configuration Management Plan	10/04/2004	10/04/2004
Software (SW)	STD/SW- SCR	Software Change Request/Problem Report	10/04/2004	10/04/2004
Software (SW)	STD/SW- SDD	Software Design Description	10/04/2004	10/04/2004
Software (SW)	STD/SW- SDP	Software Development Plan	10/04/2004	10/04/2004
Software (SW)	STD/SW-	Software Inspection/Peer	10/04/2004	10/04/2004

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
	<u>SIPRR</u>	Review Report		
Software (SW)	STD/SW- SMP	Software Maintenance Plan	10/04/2004	10/04/2004
Software (SW)	STD/SW- SMR	Software Metrics Report	10/04/2004	10/04/2004
Software (SW)	STD/SW- SRS	Software Requirements Specification	10/04/2004	10/04/2004
Software (SW)	STD/SW- STP	Software Test Plan	10/04/2004	10/04/2004
Software (SW)	STD/SW- STPR	Software Test Procedure	10/04/2004	10/04/2004
Software (SW)	STD/SW- STR	Software Test Report	10/04/2004	10/04/2004
Software (SW)	STD/SW- SUM	Software User Manual	10/04/2004	10/04/2004
Software (SW)	STD/SW- SVD	Software Version Description	10/04/2004	10/04/2004
Software (SW)	STD/SW- SWDD	Software Data Dictionary	10/04/2004	10/04/2004
Verification (VR)	STD/VR- PROC	Verification/Validation Procedures	01/31/2006	01/31/2006
Verification (VR)	STD/VR- REQ	Verification/Validation Requirements	01/31/2006	01/31/2006
Verification (VR)	STD/VR- VC	Verification/Validation Compliance	01/31/2006	01/31/2006
Verification (VR)	STD/VR- VP	Verification/Validation Planning	01/31/2006	01/31/2006
Verification (VR)	STD/VR- VR	Verification/Validation Reports	01/31/2006	01/31/2006

DATA CATEGORY	DRD NUMBER (Detail Page)	DRD TITLE	DRD Version Date	OPR/DRD Review Date
Verification (VR)	STD/VR- VSC	Verification/Validation Success Criteria	01/31/2006	01/31/2006

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## STANDARD DRD's

## (One Sample DRD Showing Website Display)

DATA CATEGORY:	Configuration Management (CM)
DRD TITLE	Configuration Management Plan
DRD NUMBER:	STD/CM-CMP
<b>DRD Version Date:</b>	10/15/2004
OPR/DRD Review Date:	10/15/2004
SUBMISSION:	11. INITIAL SUBMISSION: 60 days after Authority to Proceed (ATP) 12. SUBMISSION FREQUENCY: Revise as required
REMARKS:	NOTE to STD/CM-CMP Sample Statement of Work words* for standalone CMP: "Configuration Management. The contractor shall implement Configuration Management (CM) on hardware, firmware and software in accordance with MSFC-STD-3394. The contractor's CM program shall provide the following: (1) configuration identification, (2) configuration control, (3) configuration status accounting, and (4) configuration management verification and audits. The contractor shall generate and deliver a Configuration Management Plan (CMP) in accordance with DRD STD/CM-CMP, which defines the contractor's CM program and methods for implementation of the contract requirements. The contractor shall provide the workforce, facilities and materials required to implement the CM program requirements, including the generation, updates and maintenance of all technical documentation." Sample Statement of Work words* (used when adding CMP to Project Management Plan): "The contractor shall implement a Configuration Management (CM) program that provides (1) configuration identification (drawings and specifications), (2) configuration control, (3) configuration status accounting, and (4) support for reviews and audits required for the program defined within this contract. ***Sample complete CM SOW section available from CDRM.***
APPLICABLE DOCUMENTS:	15.2 APPLICABLE DOCUMENTS: MSFC-STD-3394 Standard for Contractor Configuration Management, MSFC Programs/Projects